



Maintenance Solutions

Millennium[®] HP

High Performance Industrial Cleaner



DESCRIPTION

A new generation high performance degreaser formulated to remove grease, oil, carbon, or any other industrial soils from concrete, machinery, engines, floors, walls, etc. Contains *HydroSolv 2000™* technology, a fast

For Use On:

Floors	Tools	Vinyl
Walls	Machinery	Porcelain
Concrete	Stainless Steel	Chrome
Engines	Plastic	

acting powerful solubilizing agent that dissolves and suspends any soil, allowing it to be wiped or rinsed away completely. Cleans faster, easier, and more economically than any product on the market today.

DIRECTIONS

Dilute with water depending on the job requirement. Apply by mop, sprayer, sponge or automatic scrubber. Apply to surface to be cleaned and allow to stand for several minutes. For heavier soil, agitate briskly with a brush or aggressive pad. For normal soil, allow the product to do the work. Wipe clean with a moist rag, sponge or pick up with wet vac or mop. Where applicable; rinse thoroughly with water. Avoid contact with windows or other glass surfaces.

FLOORS, WALLS, GENERAL MAINTENANCE:

Light Soil	1 to 30 (4 oz./gal.)
Medium Soil	1 to 10 (13 oz./gal.)
Heavy Soil	1 to 5 (26 oz./gal.)

ENGINES, MACHINERY, CONCRETE,1 to 8 (16 oz./gal.)

PAINTED SURFACES.....Pre-test prior to use. Never less than 1 to 10 (13 oz./gal.)

FOR USE IN PRESSURE WASHERS: Adjust spray nozzle to deliver 1 part concentrate to 30-60 parts water depending on soil conditions. Rinse thoroughly with clear water.

These directions are flexible rather than specific. In many cases a more dilute solution can be used, while for extreme conditions a less dilute solution may be used.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by State and Federal regulations.

PRODUCT SPECIFICATIONS

Active Ingredients:	17.0 ± 0.5%	Emulsification:	Excellent
Color:	Red	Detergency:	Excellent
Odor:	Characteristic	Rinsability:	Complete with water
pH:	11.5 - 12.0	Flash Point:	None (waterbased)
Viscosity:	Waterthin	Biodegradability:	Complete
Foam:	Moderate	Storage/Stability:	2 years
Abrasives:	None	Weight Per Gallon:	8.58 lbs. per gallon
Phosphate Content:	None	Freeze / Thaw Stability:	Keep from freezing
Solubility:	Complete with water		

Millennium Industrial Cleaners

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: Millennium HP	Supplier's Name:
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: High Performance Industrial Degreaser	Supplier's Address:
Manufacturer's Phone #: (610) 926-4106	Chemical Family: Detergent/solvent blend	Supplier's Phone #:
	Formula: Proprietary	

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Nonionic Surfactant	9016-45-9	0 to 5		Not Hazardous	
Tetrasodium EDTA	64-02-8	0 to 5			
Amphoteric Surfactant	119345-04-9	0 to 5		Not Hazardous	
Amphoteric Surfactant	N/A	0 to 5		Not Hazardous	
Sodium Metasilicate	6834-92-0	0 to 5			
P-Series Glycol Ether	5131-66-8	0 to 5		Not Hazardous	
P-Series Glycol Ether	34590-94-8	0 to 5		Not Hazardous	

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212° F.	Specific Gravity: 1.033
Vapor Pressure: 20mm Hg @68°F.	Vapor Density (Air=1): >1
% Volatile: 80+	pH: 11.5 – 12.0
Solubility in Water: Complete	Evaporation Rate (Water=1): >1
Physical Description: Thin red liquid with pleasant odor	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None	Lower Explosion Limit: N/A
Upper Explosion Limit: N/A	
Extinguishing Media: N/A	
Special Firefighting Procedures: Non Flammable	
Unusual Fire and Explosion Hazards: N/A	

SECTION 5-REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: None
Hazards Decomposition Products: Alkaline vapors in a fire.	Incompatibility (Materials to Avoid): Strong Acids, oxidizers, Chlorine

SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Wear protective gloves and eyewear when handling. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of vapors or mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: May cause irritation with prolonged or repeated contact (dryness, redness)
Eyes: Eye irritant. May cause conjunctivitis or possible irreversible damage.
Inhalation: Mists may be irritating to mucous membranes in the nose, throat, and lungs.
Ingestion: Irritating to the mouth and throat. May cause headache, nausea, abdominal pain.
First Aid Procedures:

Skin: Flush with water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention immediately.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH/MSHA approved organic vapor canister.
Ventilation Requirements: Provide mechanical exhaust when misting of product is present.
Protective Gloves: Rubber or other chemical resistant.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Eyewash station nearby. Wear protective outer-wear when danger of mist contact may occur. Protective rubber boots should be worn.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:	Shipping Information:	HMIS Hazardous Materials Identification System
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	Health
No - Sudden Release of Pressure Hazard		Flammability
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	Reactivity
Yes - Immediate (acute) Health Hazard		Personal Protection
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound	

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product